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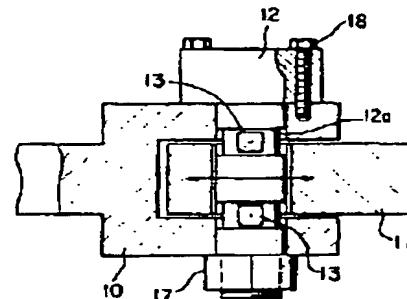
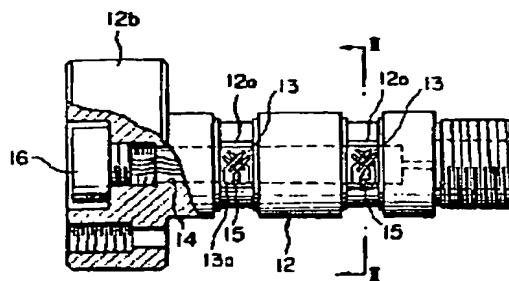
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INVENTOR : OGAWARA TAKASHI;

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TITLE : PIN-TYPE LOAD CELL



ABSTRACT : PURPOSE: To easily monitor the load at all times or upon necessities by attaching a strain gauge outside of each connecting pin which interlocks and couples two members and at a position corresponding to the confronting surfaces of the members in parallel to the load direction.

CONSTITUTION: Flat surfaces 12a parallel to each other formed at side faces of a pin part of a load cell 12, each corresponding to a part where the inner face of a cross head 10 and an outer face of a rod 11 confront. A strain gauge 13 such as a multiple wire strain gauge is attached to each flat surface 12a. A communicating hole 15 communicating with a central hole 14 is provided in the flat face 12a to which the strain gauge 13 is attached. A lead wire 13a of the strain gauge 13 is inserted into the central hole 14 through the communicating hole 15, an end of which is connected to a connector 16. By connecting a dynamic strain amplifier and a digital display device or the like to the connector 16, the load impressed to the rod 11 or cross head 10 is displayed via the strain gauge 13. Accordingly, the load can be measured at all times or upon necessities.

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